

# WEST

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L10

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<a href="#"><u>L8</u></a>	<a href="#">protease deficient and l6</a>	30313	<a href="#"><u>L8</u></a>
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1. Document ID: US 6593112 B1

L10: Entry 1 of 119

File: USPT

Jul 15, 2003

US-PAT-NO: 6593112

DOCUMENT- IDENTIFIER: US 6593112 B1

TITLE: Polynucleotides encoding fibroblast growth factor 15

DATE-ISSUED: July 15, 2003

**INVENTOR - INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Greene; John M.	Gaithersburg	MD		
Rosen; Craig A.	Laytonsville	MD		
Alderson; Ralph	Gaithersburg	MD		
Melder; Robert J.	Gaithersburg	MD		
Duan; D. Roxanne	Bethesda	MD		

US-CL-CURRENT: 435/69.4, 435/243, 435/320.1, 435/325, 435/69.7, 514/44, 530/300,  
530/399, 536/23.1, 536/23.5

Full	Title	Citation	Front	Element	Classification	Date	Reference	Signatures	Attachments	Claims	DOC	Origin Check	Image
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2. Document ID: US 6592865 B2

L10: Entry 2 of 119

File: USPT

Jul 15, 2003

US - PAT - NO : 6592865

DOCUMENT-IDENTIFIER: US 6592865 B2

**TITLE:** Methods and compositions for modulating ACE-2 activity

DATE-ISSUED: July 15, 2003

**INVENTOR - INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parry; Tom J.	Walkersville	MD		
Sekut; Les	Ijamsville	MD		

US-CL-CURRENT: 514/15, 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Print	Download	Image
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3. Document ID: US 6566325 B2

L10: Entry 3 of 119

File: USPT

May 20, 2003

US-PAT-NO: 6566325  
 DOCUMENT-IDENTIFIER: US 6566325 B2

TITLE: 49 human secreted proteins

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moore; Paul A.	Germantown	MD		
Ruben; Steven M.	Olney	MD		
Olsen; Henrik S.	Gaithersburg	MD		
Shi; Yanggu	Gaithersburg	MD		
Rosen; Craig A.	Laytonsville	MD		
Florence; Kimberly A.	Rockville	MD		
Soppet; Daniel R.	Centreville	VA		
LaFleur; David W.	Washington	DC		
Endress; Gregory A.	Potomac	MD		
Ebner; Reinhard	Gaithersburg	MD		
Komatsoulis; George	Silver Spring	MD		
Duan; Roxanne D.	Bethesda	MD		

US-CL-CURRENT: 514/2; 530/300, 530/350

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4. Document ID: US 6562579 B1

L10: Entry 4 of 119 File: USPT May 13, 2003

US-PAT-NO: 6562579  
 DOCUMENT-IDENTIFIER: US 6562579 B1

TITLE: Diagnostic methods using antibodies to Neutrokinin-alpha

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yu; Guo-Liang	Berkeley	CA		
Ebner; Reinhard	Gaithersburg	MD		
Ni; Jian	Rockville	MD		
Rosen; Craig A.	Laytonsville	MD		

US-CL-CURRENT: 435/7.1; 435/7.2, 530/350, 530/387.9, 530/388.1, 530/388.23,  
530/389.1, 530/391.3

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5. Document ID: US 6559294 B1

L10: Entry 5 of 119 File: USPT May 6, 2003

US-PAT-NO: 6559294

DOCUMENT-IDENTIFIER: US 6559294 B1

TITLE: Chlamydia pneumoniae polynucleotides and uses thereof

DATE-ISSUED: May 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Griffais; Remy	Momtrouge			FR
Hoiseth; Susan K.	Fairport	NY		
Zagursky; Robert John	Victor	NY		
Metcalf; Benjamin J.	Rochester	NY		
Peek; Joel A.	Pittsford	NY		
Sankaran; Banumathi	Penfield	NY		
Fletcher; Leah Diane	Geneseo	NY		

US-CL-CURRENT: 536/23.1; 435/320.1, 435/69.1, 435/70.1, 536/24.1
            

## J 6. Document ID: US 6555660 B2

L10: Entry 6 of 119

File: USPT

Apr 29, 2003

US-PAT-NO: 6555660

DOCUMENT-IDENTIFIER: US 6555660 B2

TITLE: G-CSF conjugates

DATE-ISSUED: April 29, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nissen; Torben Lauesgaard	Frederiksberg			DK
Andersen; Kim Vilbour	Broenshoej			DK
Hansen; Christian Karsten	Vedbaek			DK
Mikkelsen; Jan Moller	Gentofte			DK
Schambye; Hans Thalsgaard	Frederiksberg			DK

US-CL-CURRENT: 530/397; 435/69.1, 435/69.4, 435/70.1, 435/71.1, 530/350, 530/351,  
530/395, 530/399
            

## J 7. Document ID: US 6551820 B1

L10: Entry 7 of 119

File: USPT

Apr 22, 2003

US-PAT-NO: 6551820

DOCUMENT-IDENTIFIER: US 6551820 B1

TITLE: Expression of immunogenic hepatitis B surface antigens in transgenic plants

DATE-ISSUED: April 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mason; Hugh S.	Ithaca	NY		
Thanavala; Yasmin	Williamsville	NY		
Arntzen; Charles Joel	Ithaca	NY		
Richter; Elizabeth	Ithaca	NY		

US-CL-CURRENT: 435/320.1; 435/69.3, 435/71.2, 536/23.4
         
  

## [ ] 8. Document ID: US 6544761 B2

L10: Entry 8 of 119

File: USPT

Apr 8, 2003

US-PAT-NO: 6544761

DOCUMENT-IDENTIFIER: US 6544761 B2

TITLE: Human tissue inhibitor of metalloproteinase-4

DATE-ISSUED: April 8, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Greene; John M.	Gaithersburg	MD		
Rosen; Craig A.	Laytonsville	MD		

US-CL-CURRENT: 435/69.2; 514/12, 530/350, 536/23.5
         
  

## [ ] 9. Document ID: US 6544505 B2

L10: Entry 9 of 119

File: USPT

Apr 8, 2003

US-PAT-NO: 6544505

DOCUMENT-IDENTIFIER: US 6544505 B2

TITLE: Interferon-epsilon

DATE-ISSUED: April 8, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Conklin; Darrell C.	Seattle	WA		
Grant; Francis J.	Seattle	WA		
Rixon; Mark W.	Issaquah	WA		
Kindsvogel; Wayne	Seattle	WA		

US-CL-CURRENT: 424/85.4; 424/185.1, 435/69.51, 530/350, 530/351

**[ ] 10. Document ID: US 6541623 B1**

L10: Entry 10 of 119

File: USPT

Apr 1, 2003

US-PAT-NO: 6541623

DOCUMENT-IDENTIFIER: US 6541623 B1

TITLE: Interleukin--1 receptor antagonist and uses thereof

DATE-ISSUED: April 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ford; John	San Mateo	CA		
Ho; Alice Suk-Yue	Union City	CA		
Pace; Ann	Scotts Valley	CA		

US-CL-CURRENT: 536/24.3; 435/287.2, 435/288.3, 435/288.4, 536/23.1[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Print](#) | [Email](#) | [Image](#)[Generate Collection](#)[Print](#)

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L10: Entry 21 of 119

File: USPT

Dec 17, 2002

US-PAT-NO: 6495128

DOCUMENT-IDENTIFIER: US 6495128 B1

TITLE: Human chemokine .beta.-7 deletion and substitution proteins

DATE-ISSUED: December 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salcedo; Theodora W.	Gaithersburg	MD		
Patel; Vikram P.	Germantown	MD		
Nibbs; Robert John Benjamin	Glasgow			GB
Graham; Gerard John	Glasgow			GB

US-CL-CURRENT: 424/85.1; 435/254.11, 435/254.3, 435/320.1, 435/325, 435/471,  
435/69.5, 435/69.7, 435/71.1, 435/71.2, 530/324, 536/23.5[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachment](#)[Full](#) | [Front Page](#) | [Index](#)**22. Document ID: US 6482612 B1**

L10: Entry 22 of 119

File: USPT

Nov 19, 2002

US-PAT-NO: 6482612

DOCUMENT-IDENTIFIER: US 6482612 B1

TITLE: Adipocyte-specific protein homologs

DATE-ISSUED: November 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheppard; Paul O.	Redmond	WA		
Humes; Jacqueline M.	Seattle	WA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/6, 435/7.2, 435/7.21, 436/501,  
514/2, 530/350, 536/23.5[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachment](#)[Full](#) | [Front Page](#) | [Index](#)**23. Document ID: US 6476209 B1**

L10: Entry 23 of 119

File: USPT

Nov 5, 2002

US-PAT-NO: 6476209

DOCUMENT-IDENTIFIER: US 6476209 B1

TITLE: Polynucleotides, materials incorporating them, and methods for using them

DATE-ISSUED: November 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Glenn; Matthew	Auckland			NZ
Lubbers; Mark W.	Palmerston North			NZ
Dekker; James	Palmerston North			NZ

US-CL-CURRENT: [536/23.1](#); [435/6](#), [435/91.1](#), [530/200](#), [536/22.1](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Find](#) | [Draw Doc](#) | [Image](#)

## J 24. Document ID: US 6476195 B1

L10: Entry 24 of 119

File: USPT

Nov 5, 2002

US-PAT-NO: 6476195

DOCUMENT-IDENTIFIER: US 6476195 B1

TITLE: Secreted protein HNFGF20

DATE-ISSUED: November 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Komatsoulis; George	Silver Spring	MD		
Rosen; Craig A.	Laytonsville	MD		
Ruben; Steven M.	Olney	MD		
Duan; Roxanne D.	Bethesda	MD		
Moore; Paul A.	Germantown	MD		
Shi; Yanggu	Gaithersburg	MD		
LaFleur; David W.	Washington	DC		
Wei; Ying-Fei	Berkeley	CA		
Ni; Jian	Rockville	MD		
Florence; Kimberly A.	Rockville	MD		
Young; Paul	Gaithersburg	MD		
Brewer; Laurie A.	St. Paul	MN		
Soppet; Daniel R.	Centreville	VA		
Endress; Gregory A.	Potomac	MD		
Ebner; Reinhard	Gaithersburg	MD		
Olsen; Henrik	Gaithersburg	MD		
Mucenski; Michael	Cincinnati	OH		

US-CL-CURRENT: [530/350](#); [435/6](#), [435/7.1](#), [536/23.1](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Find](#) | [Draw Doc](#) | [Image](#)

25. Document ID: US 6475753 B1

L10: Entry 25 of 119

File: USPT

Nov 5, 2002

US-PAT-NO: 6475753

DOCUMENT-IDENTIFIER: US 6475753 B1

TITLE: 94 Human Secreted Proteins

DATE-ISSUED: November 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ruben; Steven M.	Olney	MD		
Ni; Jian	Rockville	MD		
Rosen; Craig A.	Laytonsville	MD		
Wei; Ying-Fei	Berkeley	CA		
Young; Paul	Gaithersburg	MD		
Florence; Kimberly	Rockville	MD		
Soppet; Daniel R.	Centreville	VA		
Brewer; Laurie A.	St. Paul	MN		
Endress; Gregory A.	Potomac	MD		
Carter; Kenneth C.	Potomac	MD		
Mucenski; Michael	Cincinnati	OH		
Ebner; Reinhard	Gaithersburg	MD		
Lafleur; David W.	Washington	DC		
Olsen; Henrik	Gaithersburg	MD		
Shi; Yanggu	Gaithersburg	MD		
Moore; Paul A.	Germantown	MD		
Komatsoulis; George	Silver Spring	MD		

US-CL-CURRENT: 435/69.1, 435/252.3, 435/320.1, 435/325, 435/471, 435/69.4, 435/71.1,  
530/350, 536/23.5
            
26. Document ID: US 6472512 B1

L10: Entry 26 of 119

File: USPT

Oct 29, 2002

US-PAT-NO: 6472512

DOCUMENT-IDENTIFIER: US 6472512 B1

TITLE: Keratinocyte derived interferon

DATE-ISSUED: October 29, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaFleur; David W.	Washington	DC		
Moore; Paul A.	Germantown	MD		
Ruben; Steven M.	Olney	MD		

US-CL-CURRENT: 530/388.2, 435/331, 435/335, 435/7.92, 530/388.15, 530/389.2,  
530/391.3

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27. Document ID: US 6468770 B1

L10: Entry 27 of 119

File: USPT

Oct 22, 2002

US-PAT-NO: 6468770

DOCUMENT-IDENTIFIER: US 6468770 B1

TITLE: Nucleic acids and proteins of *D. melanogaster* insulin-like genes and uses thereof

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keyes; Linda Nolan	San Carlos	CA		
Doberstein; Stephen Kohl	San Francisco	CA		
Buchman; Andrew Roy	Berkeley	CA		
Reddy; Bindu Priya	San Francisco	CA		
Ruddy; David Andrew	San Francisco	CA		

US-CL-CURRENT: 435/69.4; 435/320.1, 435/325, 435/455, 435/471, 435/69.1, 536/23.1,  
536/23.5, 536/23.51

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28. Document ID: US 6465181 B2

L10: Entry 28 of 119

File: USPT

Oct 15, 2002

US-PAT-NO: 6465181

DOCUMENT-IDENTIFIER: US 6465181 B2

TITLE: Reagents and methods useful for detecting diseases of the prostate

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Billing-Medel; Patricia A.	Grayslake	IL		
Cohen; Maurice	Highland Park	IL		
Colpitts; Tracey L.	Round Lake	IL		
Gordon; Julian	Lake Bluff	IL		
Granados; Edward N.	Vernon Hills	IL		
Russell; John C.	Pleasant Prairie	WI		
Stroupe; Stephen D.	Libertyville	IL		

US-CL-CURRENT: 435/6; 435/91.2, 435/91.5, 536/22.1, 536/23.5, 536/24.31, 536/24.33

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## [ 29. Document ID: US 6458574 B1

L10: Entry 29 of 119

File: USPT

Oct 1, 2002

US-PAT-NO: 6458574

DOCUMENT-IDENTIFIER: US 6458574 B1

TITLE: Treatment of a .alpha.-galactosidase a deficiency

DATE-ISSUED: October 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Selden; Richard F	Wellesley	MA		.
Borowski; Marianne	Winthrop	MA		.
Kinoshita; Carol M.	Bedford	MA		.
Treco; Douglas A.	Arlington	MA		.
Williams; Melanie D.	Natick	MA		.
Schuetz; Thomas J.	Framingham	MA		.
Daniel; Peter F.	Natick	MA		.

US-CL-CURRENT: 435/208; 424/94.1, 424/94.61, 435/183, 435/193, 536/23.1, 536/23.2,  
536/23.4
           

## [ 30. Document ID: US 6458527 B1

L10: Entry 30 of 119

File: USPT

Oct 1, 2002

US-PAT-NO: 6458527

DOCUMENT-IDENTIFIER: US 6458527 B1

\*\* See image for Certificate of Correction \*\*

TITLE: HIV immunoassays using gag polypeptides

DATE-ISSUED: October 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luciw; Paul A.	Davis	CA		.
Dina; Dino	San Francisco	CA		.
Steimer; Kathelyn	El Cerrito	CA		.
Pescador; Ray Sanchez	Oakland	CA		.
George-Nascimento; Carlos	Danville	CA		.
Parkes; Deborah	Oakland	CA		.
Hallewell; Rob	San Francisco	CA		.
Barr; Philip J.	Orinda	CA		.
Truett; Martha	Oakland	CA		.

US-CL-CURRENT: 435/5; 435/69.3, 435/69.7, 435/69.8, 435/69.9, 435/7.92, 435/7.95,  
435/975, 436/518, 436/530, 530/324, 530/325, 530/326, 530/350, 530/826

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L5: Entry 1 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596928

DOCUMENT-IDENTIFIER: US 6596928 B1

TITLE: Plants synthesizing a modified starch, the generation of the plants, their use, and the modified starch

DATE-ISSUED: July 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Landschutze; Volker	Berlin			DE

US-CL-CURRENT: 800/284; 435/101, 435/320.1, 435/419, 435/468, 435/69.1, 536/23.6,  
536/24.5, 800/278, 800/286, 800/317.2, 800/320.1, 800/320.2, 800/320.3

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**2. Document ID: US 6596849 B1**

L5: Entry 2 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596849

DOCUMENT-IDENTIFIER: US 6596849 B1

TITLE: Monoclonal antibody for analysis and clearance of polyethylene glycol and polyethylene glycol-modified molecules

DATE-ISSUED: July 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roffler; Steve	Taipei			TW
Cheng; Tian-Lu	Chang Hua			TW
Wu; Pin-Yi	Taipei			TW

US-CL-CURRENT: 530/387.1; 435/7.1, 435/7.2, 435/7.71, 435/7.9, 435/7.92, 530/388.1,  
530/388.2, 530/388.85

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**3. Document ID: US 6596702 B2**

L5: Entry 3 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596702

DOCUMENT-IDENTIFIER: US 6596702 B2

TITLE: Compositions for use in rehydration and nutrition during athletic exercise and methods of making same

DATE-ISSUED: July 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kampinga; Jaap	Groningen			NL
Colaco; Camilo	Trumpington			GB

US-CL-CURRENT: 514/53, 424/439, 426/648, 426/658, 426/66, 426/67, 426/810, 514/23,  
514/25, 514/54, 514/58[Full](#) | [Title](#) | [Edition](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Full](#) | [Draw Docx](#) | [Image](#)

## ↳ 4. Document ID: US 6596701 B1

L5: Entry 4 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596701

DOCUMENT-IDENTIFIER: US 6596701 B1

TITLE: S-adenosyl methionine regulation of metabolic pathways and its use in diagnosis and therapy

DATE-ISSUED: July 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwartz; Dennis E.	Redmond	WA		
Vermeulen; Nicolaas M. J.	Woodinville	WA		
O'Day; Christine L.	Mountlake Terrace	WA		

US-CL-CURRENT: 514/46; 435/7.1, 528/338, 528/340[Full](#) | [Title](#) | [Edition](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#)[Full](#) | [Draw Docx](#) | [Image](#)

## ↳ 5. Document ID: US 6596527 B1

L5: Entry 5 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596527

DOCUMENT-IDENTIFIER: US 6596527 B1

TITLE: Composition and methods relating to SENP 1- a sentrin-specific protease

DATE-ISSUED: July 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yeh; Edward T. H.	Houston	TX		
Gong; Limin	Pearland	TX		

US-CL-CURRENT: 435/226; 435/252.3, 435/320.1, 435/69.1, 536/23.2

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Reverso](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#) | [Edit](#) | [Organic](#) | [Inverte](#)

6. Document ID: US 6596512 B1

L5: Entry 6 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596512

DOCUMENT-IDENTIFIER: US 6596512 B1

TITLE: Nucleic acid encoding Nematode dopamine transporter and the protein encoded thereby

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blakely; Randy D.	Brentwood	TN		
Eppler; Cecil M.	Langhorne	PA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/254.2, 435/320.1, 435/325,  
435/367, 435/471, 435/6, 435/7.1, 435/7.2, 435/7.21, 435/71.1, 435/71.2, 530/350,  
536/23.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Reverso](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#) | [Edit](#) | [Organic](#) | [Inverte](#)

7. Document ID: US 6596499 B2

L5: Entry 7 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596499

DOCUMENT-IDENTIFIER: US 6596499 B2

TITLE: Membrane molecule indicator compositions and methods

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jalink; Kees	Heemstede			NL

US-CL-CURRENT: 435/7.1; 435/252.3, 435/320.1, 435/325, 435/7.8, 435/7.9, 436/172,  
436/86, 536/23.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Reverso](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#) | [Edit](#) | [Organic](#) | [Inverte](#)

8. Document ID: US 6596486 B2

L5: Entry 8 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596486

DOCUMENT-IDENTIFIER: US 6596486 B2

TITLE: Methods and compositions pertaining to PD-Loops

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frank-Kamenetskii; Maxim D.	Brookline	MA		
Bukanov; Nikolay O.	Framingham	MA		
Demidov; Vadim V.	Boston	MA		
Kuhn; Heiko	Boston	MA		
Broude; Natalia E.	Natick	MA		

US-CL-CURRENT: 435/6; 536/26.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence\(s\)](#) | [Attachment\(s\)](#)

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↳ 9. Document ID: US 6596485 B2

L5: Entry 9 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596485

DOCUMENT-IDENTIFIER: US 6596485 B2

TITLE: Green fluorescent protein fusions with random peptides

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David	San Bruno	CA		
Bogenberger; Jakob Maria	Menlo Park	CA		

US-CL-CURRENT: 435/6; 424/278.1, 435/69.1, 536/23.4

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequence\(s\)](#) | [Attachment\(s\)](#)

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↳ 10. Document ID: US 6596336 B1

L5: Entry 10 of 6708

File: USPT

Jul 22, 2003

US-PAT-NO: 6596336

DOCUMENT-IDENTIFIER: US 6596336 B1

TITLE: Microbiologically stable sauce emulsion

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gimelli; Kenneth	Waldwick	NJ		
Bauer; Roland	West Milford	NJ		
Caravetta; Dominic	Congers	NY		
Kochakji; Daniel J.	West Milford	NJ		
Luther; Stephanie	Monroe	NY		

US-CL-CURRENT: [426/589](#); [426/601](#), [426/602](#)[Full](#) | [Title](#) | [Location](#) | [Print](#) | [Forward](#) | [Email](#) | [Date](#) | [Reference](#) | [Sequence](#) | [Attachments](#) | [Find](#) | [Change Format](#) | [Logout](#)[Generate Collection](#)[Print](#)

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L3 and stability	6708

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NEWS 13 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in  
WPIDS/WPINDEX/WPIX  
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added to PHAR  
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
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NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and  
right truncation  
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 22 Jun 06 PASCAL enhanced with additional data  
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 24 Jun 25 HSDB has been reloaded  
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE  
NEWS 26 Jul 21 Identification of STN records implemented  
NEWS 27 Jul 21 Polymer class term count added to REGISTRY  
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and  
Right Truncation available  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
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                                ENTRY        SESSION
FULL ESTIMATED COST          0.21          0.21
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=> s albumin fusion protein  
L1 2651 ALBUMIN FUSION PROTEIN

=> s albumin fusion protein () increased shelf-life  
L2 1 ALBUMIN FUSION PROTEIN (W) INCREASED SHELF-LIFE

=> d 12 ti abs ibib tot

L2 ANSWER 1 OF 1 USPATFULL on STN  
TI      Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion

proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:181414 USPATFULL  
TITLE: Albumin fusion proteins  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Haseltine, William A., Washington, DC, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2003125247 A1 20030703  
APPLICATION INFO.: US 2001-833041 A1 20010412 (9)

NUMBER DATE

PRIORITY INFORMATION: US 2000-256931P 20001221 (60)  
US 2000-199384P 20000425 (60)  
US 2000-229358P 20000412 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 20 Drawing Page(s)

LINE COUNT: 15235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, SCISEARCH, FSTA, JICST-EPLUS,  
WPIDS, BIOSIS, HCAPLUS' ENTERED AT 17:28:27 ON 24 JUL 2003

L1 2651 S ALBUMIN FUSION PROTEIN  
L2 1 S ALBUMIN FUSION PROTEIN () INCREASED SHELF-LIFE

=> s 11 and extended shelf-life

L3 188 L1 AND EXTENDED SHELF-LIFE

=> s 11 and increase half-life

L4 1 L1 AND INCREASE HALF-LIFE

=> d 14 ti abs ibib tot

L4 ANSWER 1 OF 1 USPATFULL on STN

TI Tumor necrosis factor receptors 6alpha & 6beta

AB The present invention relates to novel Tumor Necrosis Factor Receptor proteins. In particular, isolated nucleic acid molecules are provided encoding the human TNFR-6.alpha. & -6.beta. proteins. TNFR-6.alpha. & -6.beta. polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of TNFR-6.alpha. & -6.beta. activity. Also provided are diagnostic methods for detecting immune system-related disorders and therapeutic methods for treating immune system-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:272468 USPATFULL

TITLE: Tumor necrosis factor receptors 6alpha & 6beta

INVENTOR(S): Gentz, Reiner L., Rockville, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Yu, Guo-Liang, Berkeley, CA, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Feng, Ping, Gaithersburg, MD, UNITED STATES  
PATENT ASSIGNEE(S) : Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150583	A1	20021017
APPLICATION INFO.:	US 2001-935727	A1	20010824 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-6352, filed on 13 Jan 1998, PENDING Continuation-in-part of Ser. No. US 2000-518931, filed on 3 Mar 2000, PENDING Continuation-in-part of Ser. No. US 1998-6352, filed on 13 Jan 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-303224P	20010706 (60)
	US 2000-252131P	20001121 (60)
	US 2000-227598P	20000825 (60)
	US 1999-168235P	19991201 (60)
	US 1999-146371P	19990802 (60)
	US 1999-131964P	19990430 (60)
	US 1999-131270P	19990427 (60)
	US 1999-124092P	19990312 (60)
	US 1999-121774P	19990304 (60)
	US 1997-35496P	19970114 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850  
NUMBER OF CLAIMS: 48  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 23 Drawing Page(s)  
LINE COUNT: 12989  
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L1 2651 S ALBUMIN FUSION PROTEIN  
L2 1 S ALBUMIN FUSION PROTEIN () INCREASED SHELF-LIFE  
L3 188 S L1 AND EXTENDED SHELF-LIFE  
L4 1 S L1 AND INCREASE HALF-LIFE

=> s l3 and increase albumin activity  
L5 0 L3 AND INCREASE ALBUMIN ACTIVITY

=> s l3 and non-glycosylation  
L6 0 L3 AND NON-GLYCOSYLATION

=> s l3 and yeast cell  
L7 1 L3 AND YEAST CELL

=> d 17 ti abs ibib tot

L7 ANSWER 1 OF 1 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:181414 USPATFULL

TITLE: Albumin fusion proteins

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Haseltine, William A., Washington, DC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003125247	A1	20030703
APPLICATION INFO.:	US 2001-833041	A1	20010412 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-256931P	20001221 (60)
	US 2000-199384P	20000425 (60)
	US 2000-229358P	20000412 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 20 Drawing Page(s)

LINE COUNT: 15235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, SCISEARCH, FSTA, JICST-EPLUS,  
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L1 2651 S ALBUMIN FUSION PROTEIN  
L2 1 S ALBUMIN FUSION PROTEIN () INCREASED SHELF-LIFE  
L3 188 S L1 AND EXTENDED SHELF-LIFE  
L4 1 S L1 AND INCREASE HALF-LIFE  
L5 0 S L3 AND INCREASE ALBUMIN ACTIVITY  
L6 0 S L3 AND NON-GLYCOSYLATION  
L7 1 S L3 AND YEAST CELL

=> s l3 and protease deficient

L8 2 L3 AND PROTEASE DEFICIENT

=> d 18 ti abs ibib tot

L8 ANSWER 1 OF 2 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003181414 USPATFULL

TITLE: Albumin fusion proteins

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Haseltine, William A., Washington, DC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003125247	A1	20030703
APPLICATION INFO.:	US 2001-833041	A1	20010412 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-256931P	20001221 (60)
	US 2000-199384P	20000425 (60)
	US 2000-229358P	20000412 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 20 Drawing Page(s)

LINE COUNT: 15235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 2 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

TI New albumin fusion proteins with **extended shelf life**, useful for treating leukemia, warts, hepatitis, multiple sclerosis and AIDS, comprises therapeutic protein fused to albumin.

AN 2002-179329 [23] WPIDS

CR 2001-602931 [68]

AB WO 200179271 A UPAB: 20030211

NOVELTY - An **albumin fusion protein (I)** comprising:

(a) a therapeutic protein (X) and albumin (A) containing a fully defined sequence (S1) of 585 amino acids as given in the specification;

(b) X and a fragment or variants of S1, where the fragment or variants has albumin activity; or

(c) a fragment or variant of X and A, where the fragment or variant has a biological activity of X, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) an **albumin fusion protein (II)**

comprising a peptide inserted into A comprising amino acids 54-61, 76-89, 92-100, 170-176, 247-252, 266-277, 280-288, 362-368, 439-447, 462-475, 478-486 or 560-566 of S1;

(2) an **albumin fusion protein (III)**

comprising a single chain antibody or its portion and A or its fragment or variant;

(3) a composition comprising any of (I)-(III) and a pharmaceutically active carrier;

(4) a kit comprising the composition;

- (5) treating a disease or disorder that is modulated by X in a patient comprising administering any of (I)-(III);
- (6) extending the shelf life of X comprising fusing X or its fragment or variant to A or its fragment or variant, sufficient to extend the shelf-life of X compared to the shelf life of X in an unfused state;
- (7) a nucleic acid molecule (IV) comprising a polynucleotide sequence encoding any of (I)-(III);
- (8) a vector comprising (IV); and
- (9) a host cell comprising (IV).

ACTIVITY - Cytostatic; dermatological; virucide; anti-HIV; neuroprotective; hepatotropic; antiinflammatory. Tests are described but no results are given in the source material.

MECHANISM OF ACTION - Gene therapy.

USE - The fusion protein is useful for the treatment of hairy cell leukemia, Kaposi's sarcoma, genital warts, anal warts, chronic hepatitis B, chronic non-A, non-B hepatitis, hepatitis C/D, chronic myelogenous leukemia, renal cell carcinoma, bladder carcinoma, ovarian carcinoma, cervical carcinoma, skin cancer, recurrent respiratory papillomatosis, non-Hodgkin's lymphoma, cutaneous T-cell lymphoma, melanoma, multiple myeloma, acquired immunodeficiency syndrome (AIDS), multiple sclerosis and glioblastoma. The fusion of albumin extends the shelf life and the in vivo and in vitro biological activity of the therapeutic protein (all claimed).

ADVANTAGE - Therapeutic proteins can be stabilized to extend shelf life and/or retain the protein's activity for extended periods of time in solution, in vivo or in vitro by genetically or chemically fusing the protein to albumin or its fragment or variant. In addition the use of albumin fusion proteins reduces the need to formulate protein solutions with large excesses of carrier proteins to prevent loss of therapeutic protein due to factors such as binding to the container. The extension of shelf life was tested by measuring biological activity (Nb2 cell proliferation) of human albumin-human growth hormone (HA-hGH) fusion protein remaining after incubation in cell culture media for up to 3 weeks at 37 deg. C. At week 3 there was still approx. 95% cell proliferation compared to no activity of unfused hGH (no observed activity by week 2).

Dwg.0/18

ACCESSION NUMBER: 2002-179329 [23] WPIDS  
 CROSS REFERENCE: 2001-602931 [68]  
 DOC. NO. CPI: C2002-055553  
 TITLE: New albumin fusion proteins with **extended shelf life**, useful for treating leukemia, warts, hepatitis, multiple sclerosis and AIDS, comprises therapeutic protein fused to albumin.  
 DERWENT CLASS: B04 D16  
 INVENTOR(S): BALLANCE, D J; PRIOR, C P; SADEGHI, H; SLEEP, D; TURNER, A J  
 PATENT ASSIGNEE(S): (DELZ) DELTA BIOTECHNOLOGY LTD; (PRIN-N) PRINCIPIA PHARM CORP  
 COUNTRY COUNT: 96  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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WO 2001079271	A1	20011025	(200223)*	EN	294
RW:	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
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AU 2001061024	A	20011030	(200225)		
EP 1278767	A1	20030129	(200310)	EN	
R:	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001079271	A1	WO 2001-US12009	20010412
AU 2001061024	A	AU 2001-61024	20010412
EP 1278767	A1	EP 2001-934875	20010412
		WO 2001-US12009	20010412

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001061024	A Based on	WO 200179271
EP 1278767	A1 Based on	WO 200179271

PRIORITY APPLN. INFO: US 2000-256931P 20001221; US 2000-229358P  
20000412; US 2000-199384P 20000425

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L7 1 S L3 AND YEAST CELL  
L8 2 S L3 AND PROTEASE DEFICIENT

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L7 1 S L3 AND YEAST CELL  
L8 2 S L3 AND PROTEASE DEFICIENT

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L9 2 L3 AND KIT

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L9 ANSWER 1 OF 2 USPATFULL on STN

TI Albumin fusion proteins

AB The present invention encompasses albumin fusion proteins. Nucleic acid molecules encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Additionally the present invention encompasses pharmaceutical compositions comprising

albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:181414 USPATFULL

TITLE: Albumin fusion proteins

INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Haseltine, William A., Washington, DC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003125247	A1	20030703
APPLICATION INFO.:	US 2001-833041	A1	20010412 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-256931P	20001221 (60)
	US 2000-199384P	20000425 (60)
	US 2000-229358P	20000412 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 20 Drawing Page(s)

LINE COUNT: 15235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 2 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

TI New albumin fusion proteins with **extended shelf life**, useful for treating leukemia, warts, hepatitis, multiple sclerosis and AIDS, comprises therapeutic protein fused to albumin.

AN 2002-179329 [23] WPIDS

CR 2001-602931 [68]

AB WO 200179271 A UPAB: 20030211

NOVELTY - An **albumin fusion protein (I)** comprising:

(a) a therapeutic protein (X) and albumin (A) containing a fully defined sequence (S1) of 585 amino acids as given in the specification;

(b) X and a fragment or variants of S1, where the fragment or variants has albumin activity; or

(c) a fragment or variant of X and A, where the fragment or variant has a biological activity of X, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) an **albumin fusion protein (II)**

comprising a peptide inserted into A comprising amino acids 54-61, 76-89, 92-100, 170-176, 247-252, 266-277, 280-288, 362-368, 439-447, 462-475, 478-486 or 560-566 of S1;

(2) an **albumin fusion protein (III)**

comprising a single chain antibody or its portion and A or its fragment or variant;

(3) a composition comprising any of (I)-(III) and a pharmaceutically active carrier;

(4) a kit comprising the composition;

(5) treating a disease or disorder that is modulated by X in a patient comprising administering any of (I)-(III);

(6) extending the shelf life of X comprising fusing X or its fragment or variant to A or its fragment or variant, sufficient to extend the shelf-life of X compared to the shelf life of X in an unfused state;

(7) a nucleic acid molecule (IV) comprising a polynucleotide sequence encoding any of (I)-(III);

- (8) a vector comprising (IV); and
- (9) a host cell comprising (IV).

ACTIVITY - Cytostatic; dermatological; virucide; anti-HIV; neuroprotective; hepatotropic; antiinflammatory. Tests are described but no results are given in the source material.

MECHANISM OF ACTION - Gene therapy.

USE - The fusion protein is useful for the treatment of hairy cell leukemia, Kaposi's sarcoma, genital warts, anal warts, chronic hepatitis B, chronic non-A, non-B hepatitis, hepatitis C/D, chronic myelogenous leukemia, renal cell carcinoma, bladder carcinoma, ovarian carcinoma, cervical carcinoma, skin cancer, recurrent respiratory papillomatosis, non-Hodgkin's lymphoma, cutaneous T-cell lymphoma, melanoma, multiple myeloma, acquired immunodeficiency syndrome (AIDS), multiple sclerosis and glioblastoma. The fusion of albumin extends the shelf life and the in vivo and in vitro biological activity of the therapeutic protein (all claimed).

ADVANTAGE - Therapeutic proteins can be stabilized to extend shelf life and/or retain the protein's activity for extended periods of time in solution, in vivo or in vitro by genetically or chemically fusing the protein to albumin or its fragment or variant. In addition the use of albumin fusion proteins reduces the need to formulate protein solutions with large excesses of carrier proteins to prevent loss of therapeutic protein due to factors such as binding to the container. The extension of shelf life was tested by measuring biological activity (Nb2 cell proliferation) of human albumin-human growth hormone (HA-hGH) fusion protein remaining after incubation in cell culture media for up to 3 weeks at 37 deg. C. At week 3 there was still approx. 95% cell proliferation compared to no activity of unfused hGH (no observed activity by week 2).

Dwg.0/18

ACCESSION NUMBER: 2002-179329 [23] WPIDS  
 CROSS REFERENCE: 2001-602931 [68]  
 DOC. NO. CPI: C2002-055553  
 TITLE: New albumin fusion proteins with **extended shelf life**, useful for treating leukemia, warts, hepatitis, multiple sclerosis and AIDS, comprises therapeutic protein fused to albumin.  
 DERWENT CLASS: B04 D16  
 INVENTOR(S): BALLANCE, D J; PRIOR, C P; SADEGHI, H; SLEEP, D; TURNER, A J  
 PATENT ASSIGNEE(S): (DELZ) DELTA BIOTECHNOLOGY LTD; (PRIN-N) PRINCIPIA PHARM CORP  
 COUNTRY COUNT: 96  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001079271	A1	20011025	(200223)*	EN	294
RW:	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW				
AU 2001061024	A	20011030	(200225)		
EP 1278767	A1	20030129	(200310)	EN	
R:	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001079271	A1	WO 2001-US12009	20010412
AU 2001061024	A	AU 2001-61024	20010412
EP 1278767	A1	EP 2001-934875	20010412

WO 2001-US12009 20010412

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001061024	A Based on	WO 200179271
EP 1278767	A1 Based on	WO 200179271

PRIORITY APPLN. INFO: US 2000-256931P 20001221; US 2000-229358P  
20000412; US 2000-199384P 20000425

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=> e rosen, c/au
E1      7      ROSEN ZVI M/AU
E2      7      ROSEN ZVI MICHAL/AU
E3      0 --> ROSEN, C/AU
E4      1      ROSENA BRUCE R/AU
E5      1      ROSENABUM S/AU
E6      1      ROSENACKER A F/AU
E7      1      ROSENACKER ARTHUR F/AU
E8      4      ROSENADA CEPERO R/AU
E9      1      ROSENAGER L/AU
E10     2      ROSENAK B/AU
E11     71     ROSENAK B D/AU
E12     9      ROSENAK BERNARD D/AU

=> e haseltine,W/au
E1      1      HASELTINE WILLIAM G/AU
E2      1      HASELTINE WILLIAM GAGE/AU
E3      0 --> HASELTINE,W/AU
E4      1      HASELTLINE F P/AU
E5      8      HASELTON A/AU
E6      5      HASELTON AARON/AU
E7      1      HASELTON B J/AU
E8      4      HASELTON C/AU
E9      1      HASELTON C B/AU
E10     9      HASELTON C J/AU
E11     37     HASELTON C L/AU
E12     5      HASELTON CAROLE J/AU

=> s e1
L10     1 "HASELTINE WILLIAM G"/AU

=> s e2
L11     1 "HASELTINE WILLIAM GAGE"/AU

=> d l10 ti abs ibib tot

L10  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2003 ACS on STN
TI  Physicochemical properties of mono- and diisocyanates
AB  Liq. d., viscosity, sp. heat, and vapor pressure data are reported for a
    new class of mono- and diisocyanates.
ACCESSION NUMBER: 1986:540063  HCAPLUS
DOCUMENT NUMBER: 105:140063
TITLE: Physicochemical properties of mono- and diisocyanates
AUTHOR(S): Achorn, Peter J.; Haseltine, William G.;
            Miller, J. K.
CORPORATE SOURCE: Chem. Res. Div., Am. Cyanamid Co., Stamford, CT,
                  06904-0060, USA
SOURCE: Journal of Chemical and Engineering Data (1986),
        31(4), 385-7
CODEN: JCEAAX; ISSN: 0021-9568
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d l11 ti abs ibib tot

L11  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2003 ACS on STN
TI  High pressure carbon-13 nuclear magnetic resonance relaxation study of
    2-n-butyl-3-n-hexylnaphthalene
AB  Unavailable
ACCESSION NUMBER: 1981:559261  HCAPLUS
DOCUMENT NUMBER: 95:159261

```

TITLE: High pressure carbon-13 nuclear magnetic resonance  
relaxation study of 2-n-butyl-3-n-hexylnaphthalene

AUTHOR(S): **Haseltine, William Gage**

CORPORATE SOURCE: Pennsylvania State Univ., University Park, PA, USA

SOURCE: (1981) 195 pp. Avail.: Univ. Microfilms Int., Order  
No. 8112809

DOCUMENT TYPE: From: Diss. Abstr. Int. B 1981, 42(1), 230

LANGUAGE: Dissertation  
English

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